



TRAUMA CENTER SITE REVIEW CRITERIA CHECK SHEET - LEVEL I 19CSR 30-40.430

NAME OF HOSPITAL		LOCATION	DATE
(1) GENERAL STANDARDS FOR TRAUMA CENTER DESIGNATION 19 CSR 30-40.430(1)			
DOCUMENTATION 19CSR 30-40.430(1) (A)		<div>NOT</div> <div>MET MET</div>	COMMENTS
1. Board resolution to demonstrate commitment (will be met by compliance with State standards for trauma center Designation)		<input type="checkbox"/> <input type="checkbox"/>	
2. Accepts all trauma victims appropriate for level of State designation 19CSR 30-40.430 (1)(1A)		<input type="checkbox"/> <input type="checkbox"/>	
3. Commitment of financial, human and physical resources as needed for trauma program 19CSR 30-40.430 (1) (A)		<input type="checkbox"/> <input type="checkbox"/>	
4. Trauma patient receives priority for admission and all services 19 CSR 30-40.430 (1)(A)		<input type="checkbox"/> <input type="checkbox"/>	
5. Job description and organizational chart depicting relationship to other services Trauma Medical Director 19 CSR 30-40.430 (1) (E) 1. Trauma Nurse Coordinator – RN 19 CSR 30-40.430 (1) (F) 1.		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
6. Continuing Education/Credentialing 19 CSR 30-40.430 (1) Trauma medical director – average 16 hours trauma-related every year (E) 4. Other trauma surgeons – 8 hours trauma-related every year (H) Emergency department physicians – average 16 hours trauma-related every year (3)(A) B.(II) Trauma nurse coordinator – 24 hours trauma-related every year (F) 2. Registered nurses regularly assigned to ED or ICU credentialed by at least 16-hour trauma nursing course within one year of assignment (3)1. E. ED/ICU registered nurses - 8 hours trauma-related CEU per year (3) E. 1. Anesthesiologist, neuro-surgeons, orthopedic surgeons – 8 hours trauma-related every year (H) CRNAs participating in care of trauma patients - 8 hours trauma-related every year (H) In adult/pediatric centers an additional 6 hours of pediatric trauma education required for physician CME (H)		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
7. ACLS and ATLS 19 CSR 30-40.430 (1) (G) All trauma surgeons ATLS certified All ED physicians ACLS and ATLS certified All ED and ICU nurses ACLS certified		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
8. Trauma Medical Director 19CSR 30-40.430 (1) (E) 2,3,5 Member of surgical trauma call roster Board certified surgeon Responsible for education and training of medical and nursing staff in trauma care Participates in research and publication projects		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
9. Credentialing of trauma service staff – delineation of privileges by medical staff credentialing committee 19 CSR 30-40.430(2) (A)		<input type="checkbox"/> <input type="checkbox"/>	

Trauma Center Site Review Criteria Check Sheet – Level I (Continued)

NAME OF HOSPITAL		LOCATION		DATE
(1) GENERAL STANDARDS FOR TRAUMA CENTER DESIGNATION (Continued)				
RESOURCES 19 CSR 30-40.430 (2) (C)		COMMENTS		
10. Trauma center staff consisting of physicians boarded in the following specialties shall be available: <input type="checkbox"/> Cardiac Surgery <input type="checkbox"/> Orthopedic Surgery <input type="checkbox"/> General Surgery <input type="checkbox"/> Otorhinolaryngologic Surgery <input type="checkbox"/> Neurologic Surgery <input type="checkbox"/> Pediatric Surgery <input type="checkbox"/> Obstetric-Gynecologic Surgery <input type="checkbox"/> Plastic, Oral and Maxillofacial Surgery <input type="checkbox"/> Ophthalmic Surgery <input type="checkbox"/> Thoracic Surgery <input type="checkbox"/> Dental Surgery <input type="checkbox"/> Urologic Surgery				
11. The following specialists credentialed by the hospital for trauma care available in-house 24 hours a day: 19 CSR 30-40.430.(2) (D) <input type="checkbox"/> General Surgery <input type="checkbox"/> Emergency Medicine <input type="checkbox"/> Neurologic Surgery <input type="checkbox"/> Anesthesiology Trauma surgeon immediately available and in attendance with patient when senior resident fulfills availability requirements		NOT MET MET <input type="checkbox"/> <input type="checkbox"/>		
12. The following specialists credentialed by the hospital for trauma care promptly available: 19 CSR 30-40.430 (2) (D) 2. 13. c. 14-24 <input type="checkbox"/> Cardiac Surgery <input type="checkbox"/> Pediatric Surgery <input type="checkbox"/> Obstetric-Gynecologic Surgery <input type="checkbox"/> Plastic and Maxillofacial Surgery <input type="checkbox"/> Ophthalmic Surgery <input type="checkbox"/> Thoracic Surgery <input type="checkbox"/> Orthopedic Surgery <input type="checkbox"/> Urologic Surgery <input type="checkbox"/> Otorhinolaryngologic Surgery <input type="checkbox"/> Cardiology <input type="checkbox"/> Chest Medicine <input type="checkbox"/> Nephrology <input type="checkbox"/> Gastroenterology <input type="checkbox"/> Pathology <input type="checkbox"/> Hematology <input type="checkbox"/> Pediatrics <input type="checkbox"/> Infectious Diseases <input type="checkbox"/> Psychiatry <input type="checkbox"/> Internal Medicine <input type="checkbox"/> Radiology				
13. Lighted designated helicopter landing area within three minutes of ED 19 CSR 30-40.430 (1) D)		<input type="checkbox"/> <input type="checkbox"/>		
(2) STANDARDS FOR SPECIAL FACILITIES/RESOURCES/CAPABILITIES				

DOCUMENTATION 14. Written protocols defining the relationship of ED physicians to other physician members of the trauma team 19 CSR 30-40.430(3) (A)1. (C)	<input type="checkbox"/> <input type="checkbox"/>	
RESOURCES 15. Emergency department staffing ensures immediate and appropriate care of the trauma patient (3) (A) 1.	<input type="checkbox"/> <input type="checkbox"/>	

Trauma Center Site Review Criteria Check Sheet – Level I (Continued)

NAME OF HOSPITAL		LOCATION		DATE
(2) STANDARDS FOR SPECIAL FACILITIES/RESOURCES/CAPABILITIES (Continued)(ED)				
RESOURCES (Continued) ED		<div>NOT MET</div> <div>MET</div>		COMMENTS
16. Physician director board certified or board admissible in emergency medicine 19 CSR 30-40.430.(3) (A) 1. A.		<input type="checkbox"/> <input type="checkbox"/>		
17. Physicians competent in emergency care on duty in ED 24 hours a day		<input type="checkbox"/> <input type="checkbox"/>		
18. Designated trauma resuscitation area in ED		<input type="checkbox"/> <input type="checkbox"/>		
19. Trauma utilization assessment system		<input type="checkbox"/> <input type="checkbox"/>		
20. Documentation for the trauma patient flow sheet ED – ICU		<input type="checkbox"/> <input type="checkbox"/>		
EMERGENCY DEPARTMENT 21. Equipment for resuscitation and life support including but not limited to the following: <i>(All items include pediatric sizes)</i> <ul style="list-style-type: none"> <input type="checkbox"/> Airway control and ventilation equipment <input type="checkbox"/> Suction devices <input type="checkbox"/> Electrocardiograph, oscilloscope and defibrillator <input type="checkbox"/> Central line insertion equipment <input type="checkbox"/> All standard intravenous fluids, administration devices and IV catheters <input type="checkbox"/> Sterile surgical sets for procedures standard for the ED <input type="checkbox"/> Gastric lavage equipment <input type="checkbox"/> Drugs and supplies necessary for emergency care <input type="checkbox"/> Two-way radio linked with EMS vehicles <input type="checkbox"/> End-tidal CO₂ monitor <input type="checkbox"/> Skeletal tongs <input type="checkbox"/> Temperature control devices for patient, parenteral fluids and blood <input type="checkbox"/> Mechanical ventilators <input type="checkbox"/> Rapid infusion system for parenteral infusion <input type="checkbox"/> Equipment checked according to hospital preventive maintenance schedule 				
X-RAY/LABORATORY				
22. X-ray capability 24 hours a day with 24 hours a day technicians		<input type="checkbox"/> <input type="checkbox"/>		
23. Sonography, nuclear scanning and angiography available 24 hours a day with 30 minutes maximum response time		<input type="checkbox"/> <input type="checkbox"/>		
24. Adequate physician and nursing personnel to support the trauma patient and provide documentation of care during the time patient is physically present in radiology and during transportation to and from radiology		<input type="checkbox"/> <input type="checkbox"/>		
25. In-house computerized tomography with technician in-house		<input type="checkbox"/> <input type="checkbox"/>		
26. Resuscitation equipment available to radiology department		<input type="checkbox"/> <input type="checkbox"/>		

Trauma Center Site Review Criteria Check Sheet – Level I (Continued)

NAME OF HOSPITAL		LOCATION		DATE
(2) STANDARDS FOR SPECIAL FACILITIES/RESOURCES/CAPABILITIES (Continued)				
X-RAY/LABORATORY (Continued)		COMMENTS		
27. The following clinical laboratory services available 24 hours a day: <input type="checkbox"/> Standard analyses of blood, urine and other body fluids <input type="checkbox"/> Blood typing and cross matching <input type="checkbox"/> Coagulation studies <input type="checkbox"/> Comprehensive blood bank or access to community central blood bank and adequate hospital blood storage facilities <input type="checkbox"/> Blood gases and pH determinations <input type="checkbox"/> Serum and urine osmolality <input type="checkbox"/> Microbiology <input type="checkbox"/> Drug and alcohol screening				
ICU				
28. Designated medical director for ICU		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
29. Physician (not ED physician) on duty in the ICU or available in-house 24 hours a day		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
30. Comparable care for trauma patients if immediate space is not available in ICU		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
31. Patient classification system for ICU with nurse/patient ratio 1:2 maximum		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
32. Nursing care documentation on a 24-hour patient flow sheet		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
33. Separate pediatric and adult ICUs or combined ICU with nurses trained in pediatric intensive care		<input type="checkbox"/> MET	<input type="checkbox"/> NOT MET	
34. ICU - Equipment for resuscitation and life support including but not limited to the following: <i>(All items include pediatric sizes)</i> <input type="checkbox"/> Airway control and ventilation equipment <input type="checkbox"/> Oxygen source with concentration controls <input type="checkbox"/> Cardiac emergency cart <input type="checkbox"/> Temporary transvenous pacemakers <input type="checkbox"/> Electrocardiograph, oscilloscope and defibrillator <input type="checkbox"/> Cardiac output monitoring <input type="checkbox"/> Electronic pressure monitoring and pulse oximetry <input type="checkbox"/> End tidal carbon dioxide monitor and mechanical ventilators <input type="checkbox"/> Patient weighing devices <input type="checkbox"/> Pulmonary function measuring devices <input type="checkbox"/> Temperature control devices <input type="checkbox"/> Drugs, intravenous fluids and supplies <input type="checkbox"/> Intracranial pressure monitoring devices <input type="checkbox"/> Mechanical ventilator <input type="checkbox"/> Documentation equipment checked according to hospital preventive maintenance schedule				

Trauma Center Site Review Criteria Check Sheet – Level I

NAME OF HOSPITAL		LOCATION		DATE
(2) STANDARDS FOR SPECIAL FACILITIES/RESOURCES/CAPABILITIES (Continued)				
OR		COMMENTS		
35. Operating room adequately staffed in-house 24 hours a day		<div> <div>NOT</div> <div>MET</div> <div>MET</div> </div> <div> <input type="checkbox"/> <input type="checkbox"/> </div>		
36. Equipment for resuscitation and to provide life support for the critically ill or seriously injured, including but not limited to the following: <i>(All items include pediatric sizes)</i> <div> <input type="checkbox"/> Cardiopulmonary bypass capability <input type="checkbox"/> Operating microscope <input type="checkbox"/> Thermal control equipment <input type="checkbox"/> X-ray capability <input type="checkbox"/> Endoscopes, all varieties <input type="checkbox"/> Instruments necessary to perform an open craniotomy <input type="checkbox"/> Monitoring <input type="checkbox"/> Equipment checked according to hospital preventive maintenance schedule </div>				
PAR				
37. RNs and other essential personnel on call and available within 20 minutes in the PAR		<div> <div>NOT</div> <div>MET</div> <div>MET</div> </div> <div> <input type="checkbox"/> <input type="checkbox"/> </div>		
38. PAR <div> <input type="checkbox"/> Airway control and ventilation equipment <input type="checkbox"/> Suction devices <input type="checkbox"/> Electrocardiograph, oscilloscope and defibrillator <input type="checkbox"/> Apparatus to establish central venous pressure monitoring <input type="checkbox"/> All standard intravenous fluids <input type="checkbox"/> Sterile surgical set for emergency procedures <input type="checkbox"/> Drugs and supplies necessary for emergency care <input type="checkbox"/> Temperature control devices for the patient, for parenteral fluids and for blood <input type="checkbox"/> Intracranial pressure monitoring devices <input type="checkbox"/> Temporary pacemaker <input type="checkbox"/> Pulmonary function measuring devices <input type="checkbox"/> Mechanical ventilator <input type="checkbox"/> Documentation equipment checked according to hospital preventive maintenance schedule </div>				
MEDICAL/SURGICAL				
39. RNs and other essential personnel on duty 24 hours a day on medical-surgical floors		<div> <div>NOT</div> <div>MET</div> <div>MET</div> </div> <div> <input type="checkbox"/> <input type="checkbox"/> </div>		

Trauma Center Site Review Criteria Check Sheet – Level I (Continued)

NAME OF HOSPITAL		LOCATION		DATE
(2) STANDARDS FOR SPECIAL FACILITIES/RESOURCES/CAPABILITIES (Continued)				
40. MEDICAL SURGICAL FLOORS Equipment for resuscitation and life support for the injured patient, including but not limited to the following: <i>(All items include pediatric sizes)</i> <input type="checkbox"/> Airway control and ventilation, bag-mask resuscitator and O ₂ <input type="checkbox"/> Suction devices <input type="checkbox"/> Electrocardiograph, oscilloscope and defibrillator <input type="checkbox"/> All standard intravenous fluids and IV catheters <input type="checkbox"/> Drugs and supplies necessary for emergency care <input type="checkbox"/> Oxygen source with concentration controls <input type="checkbox"/> Documentation equipment checked according to hospital preventive maintenance schedule			COMMENTS	
41. Trauma team activation protocol Lists criteria according to injury type and severity Identifies person authorized to notify trauma team Provides immediate notification and rapid response requirements			NOT MET	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
42. Organ and tissue procurement notification procedures			<input type="checkbox"/> <input type="checkbox"/>	
43. Transfer agreements <input type="checkbox"/> Hemodialysis <input type="checkbox"/> Injury rehabilitation <input type="checkbox"/> Spinal cord injury rehabilitation <input type="checkbox"/> Burn care <input type="checkbox"/> Pediatric trauma management				
44. Adequate support services for patient's family from time of entry to discharge			<input type="checkbox"/> <input type="checkbox"/>	
45. Written protocol that trauma patient receives priority			<input type="checkbox"/> <input type="checkbox"/>	
(3) STANDARDS FOR QUALITY ASSURANCE				
DOCUMENTATION				
46. Quality assurance program shall systematically monitor, review and evaluate quality and appropriateness of patient care, improve care and resolve identified problems			<input type="checkbox"/> <input type="checkbox"/>	
47. Minutes of conferences to include attendance, individual cases reviewed, findings and follow-up			<input type="checkbox"/> <input type="checkbox"/>	
48. A copy of the hospital's trauma nursing course curriculum filed with BEMS			<input type="checkbox"/> <input type="checkbox"/>	
49. Hospital and staff document a research program in trauma			<input type="checkbox"/> <input type="checkbox"/>	
50. Trauma registry form completed on all appropriate patients			<input type="checkbox"/> <input type="checkbox"/>	
51. Post-discharge follow-up documentation			<input type="checkbox"/> <input type="checkbox"/>	

Trauma Center Site Review Criteria Check Sheet – Level I (Continued)

(3) STANDARDS FOR QUALITY ASSURANCE (Continued)		
DOCUMENTATION (Continued) 52. Quality improvement documentation to include: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Trauma death audit <input type="checkbox"/> M & M <input type="checkbox"/> Multidisciplinary trauma conference <input type="checkbox"/> Medical and nursing audits </div> <div> <input type="checkbox"/> Utilization and tissue review <input type="checkbox"/> State trauma registry reviews <input type="checkbox"/> Prehospital and regional trauma care review </div> </div>	COMMENTS	
53. Separate quality assurance program for CRNAs by anesthesiologists	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <small>MET</small> <input type="checkbox"/> </div> <div style="text-align: center;"> <small>NOT MET</small> <input type="checkbox"/> </div> </div>	
54. Outreach program with 24 hour availability of telephone consultation	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> </div> </div>	
55. Public education program promotes injury prevention, public awareness	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> </div> </div>	
56. Provides training and clinical resources, involved in local and regional EMS systems	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> </div> </div>	
57. Hospital cooperates with BEMS in conducting epidemiological studies and case studies for developing injury control and prevention programs	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> </div> </div>	
58. Hospital diversions – date, length of time and reason followed by Q/I (all)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> </div> </div>	